

Electronic Filing System (EFS) Data
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EFS ID: 12082
Application ID: 09682242
Title of Invention: HIGH EFFICIENCY CONVERSION
OF NITROGEN OXIDES IN AN
EXHAUST AFTERTREATMENT
DEVICE AT LOW TEMPERATURE
First Named Inventor: Lifeng Xu
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2001-08-09
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: 200-1374 AJL
Digital Certificate Holder: cn=Damian Porcari, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: 3cv4kh2WpbjXEmduiPGGHg==
Total Fees Authorized: \$1018.0
Payment Category: DA - Deposit Account
Deposit Account Number: 61510
Deposit Account Name: Sheri L. Charles



TRANSMITTAL FORM

Electronic Version 1.0.2

Stylesheet Version: 1.0

Attorney Docket Number: 200-1374 AJL



HIGH EFFICIENCY CONVERSION OF NITROGEN OXIDES IN AN EXHAUST AFTERTREATMENT DEVICE AT LOW TEMPERATURE

First Named Inventor: Lifeng Xu

SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Sheri Lynn Charles Electronic
Application Specialist

Electronic Signature Mark: /slc

Date Signed: 20010809

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

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Attached Files:

specification

specification.xml

declaration

declaration 1 of 3.tif

declaration

declaration 2 of 3.tif

[illegible]

Attached Image File(s):

declaration 1 of 3.tif
declaration 2 of 3.tif
declaration 3 of 3.tif
consent.tif
prior art 1 of 2.tif
prior art 2 of 2.tif

Comments:

FOUO "2423950

DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION**Attorney's Docket No.**
200-1374

As a below named inventor, I hereby declare:

My residence, post office address and citizenship are as stated below next to my name;

I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled

HIGH EFFICIENCY CONVERSION OF NITROGEN OXIDES IN AN EXHAUST AFTERTREATMENT DEVICE AT LOW TEMPERATURE

the specification of which is attached hereto.

I have reviewed and understand the contents of the specification identified above, including the claims.

I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of America, prior to this application by me or my legal representatives or assigns,

☒ [X] no such applications have been filed, or

☐ [] such applications have been filed as follows:

☐ [] I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below

COUNTRY	APPLICATION NO.	DATE OF FILING (month, day, year)	DATE OF ISSUE (month, day, year)	PRIORITY CLAIMED UNDER 35 USC 119	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application Number) (Filing Date) (Status - patented, pending, abandoned)

(Application Number) (Filing Date) (Status - patented, pending, abandoned)

POWER OF ATTORNEY: - I/we hereby appoint Practitioners at Customer No. 022844 as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office and all foreign Patent Offices.

Attorney Docket No: 200-1374

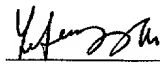
Please call 313-322-7725 if this paper becomes separated from the file.

William J. Coughlin - 29,143

Address all correspondence and telephone calls to:

Diana D. Brehob
Ford Global Technologies, Inc.
One Parklane Boulevard
600 East Parklane Towers
Dearborn, Michigan 48126 Telephone: 1-313-3221879

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE	DATE
Lifeng Xu 28602 Golfpointe Farmington Hills, MI 48331 US	Farmington Hills, MI 48331 US	China		6-28-01
Robert Walter McCabe 18591 San Quentin Drive Lathrup Village, MI 48076 US	Lathrup Village, MI 48076 US	U.S.A		

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Robert Walter McCabe 18591 San Quentin Drive Lathrup Village, MI 48076 US	Lathrup Village, MI 48076 US	U.S.A	<i>R. W. McCabe</i>	6/28/01

Attorney Docket No: 200-1374 Please call 313-322-7725 if this paper becomes separated from the file.

PATENT APPLICATION

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D. C. 20231

Case Docket No. **200-1374**
Date: July 27, 2001

Sir:

Inventor(s):
Robert McCabe
Lifeng Xu

For: **HIGH EFFICIENCY CONVERSION OF NITROGEN OXIDES IN AN EXHAUST AFTERTREATMENT
DEVICE AT LOW TEMPERATURE**

The attorney or agent below has reviewed this application and its attachments and consents to
electronic filing by the assignee.

Respectfully submitted:



Allan J. Lipka
Attorney or Agent of Record
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20010727 142228

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 2

Application Number	To be assigned
Filing Date	Herewith
Applicants	Xu, McCabe
Group Art Unit	
Examiner Name	
Attorney Docket Number	200-1374

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	To be assigned
Filing Date	Herewith
Applicants	Xu, McCabe
Group Art Unit	
Examiner Name	
Attorney Docket Number	200-1374

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. ¹	DOCUMENT NUMBER	Kind Code ² (if known)	NAME	DATE MM-DD-YY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5628186		Schmelz	05-13-97	
		5924280		Tarabulski	07-20-99	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. ¹	Foreign Patent Document			NAME	DATE MM-DD-YY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

EXAMINER

DATE CONSIDERED

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

FEE TRANSMITTAL

Electronic Version 1.0.4

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 1018

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1510



Deposit Account Name: Ford Global Technologies, Inc.

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

SUBMITTED BY

Authorized Name: Sheri L. Charles

Electronic Signature Mark: /slc

Date Signed: 20010808

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 710

Subtotal For Basic Filing Fee: \$ 710

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 26	103	\$ 18	6	\$ 108
Independent Claims: 5	102	\$ 80	2	\$ 160

Subtotal For Extra Claims Fees: \$ 268

ADDITIONAL FEES

Fee Description	Fee Code	Fee Paid
Recording Each Patent Assignment Per Property Fee	581	\$ 40

Subtotal For Additional Fees: \$ 40

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